1982

The One Hundred and Ninety-Second Report of the Curricular Affairs Committee

University of Rhode Island Faculty Senate

Serial Number #82-83--15

UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

FACULTY SENATE
BILL

Adopted by the Faculty Senate

TO: President Frank Newman

FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled The One Hundred and Ninety-Second Report of the Curricular Affairs Committee ,

is forwarded for your consideration.

2. The original and two copies for your use are included.

3. This BILL was adopted by vote of the Faculty Senate on December 2, 1982 (date).

4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, completing the appropriate endorsement below.

5. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective on December 23, 1982 (date), three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

December 2, 1982
(date)

James Findlay
James Findlay
Chairperson of the Faculty Senate

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UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

October 29, 1982

Faculty Senate Curricular Affairs Committee One Hundred and Ninety-Second Report

At its meeting of October 25, 1982, the Curricular Affairs Committee considered the following matters now presented to the Faculty Senate.

S E C T I O N I

Informational Matters (Including Temporary Courses)

College of Resource Development

1. Department of Plant and Soil Science

CHANGE: Description for PLS 324:

PLS 324 Vegetable Science (II,3) The origins, culture, cultivars, soil and fertility management of vegetables for commercial growers and home gardeners. Practical experience growing vegetables from seed to harvest under greenhouse conditions. (Lec. 2, Lab. 2) Pre: 204. Pearson

2. Department of Resource Economics

ADD: REN 325X Planning and Managing a Small Natural Resources Firm (II,3) Essentials for planning small businesses which deal with natural resource areas such as fisheries, forestry, turf, nursery and agricultural products. Financing, location, layout, merchandising and sales development. Basics of accounting and cashflow analysis. Pre: 105 or equivalent. Holmsen.

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S E C T I O N II

Curricular Matters Which Require Confirmation by the Faculty Senate

A. College of Business Administration

Department of Management

CHANGE: Course code for the following courses:

1) BED 110 Introduction to Business (I or II,3) to MGT 110;
2) BED 227 Business Communications (II,3) to MGT 227;
3) BED 326 Word Processing and Equipment Management (II,3) to MGT 326;

4) BED 426 Training and Development Theory and Practice (I,3) to MGT 426.*

B. College of Resource Development

Department of Food Science and Technology, Nutrition & Dietetics

ADD: Biotechnology Option in FSN 230 curriculum as follows:

a. Curriculum Requirements

Students completing the Biotechnology option are to be awarded a Bachelor of Science degree in Resource Development. There are 130 credits required to graduate, of which 36 are general education credit (27 credits of non-science), 82 are Biotechnology program credits, and the remaining 12 credits are free electives.

Courses for the Biotechnology option are listed below and the required courses identified.

1) Resource Development Courses (6 credits)

FSN 207 General Nutrition 3
FSN 237 Intro. Food Science 3

2) Basic Science (43-44 credits)

BIO 102 or ZOO 111 3-4
BOT 111 4
BOT 245 3
BCP 311 3
CHM 101, 102, 112, 114 8
CHM 226, 227, 228 8
EST 408 3
MIC 211 4
MTH 141 3
PHY 109 4

3) Option Concentration (25 credits)

FSN 431 Biochemistry of Foods 3
FSN 432 Food Processing 3
FSN/CHE 447 Food Engineering I 4
ASP 352 General Genetics 3
PLP 422 Industrial Microbiology 3
PLS 413 Plant Cell and Tissue Culture 3
BOT 453 Cell Biology 3
MIC 412 Food Microbiology 3

4) Supporting Electives (16-17 credits)

BCP 401 Quantitative Cell Culture 3
BOT 432 Mycology 4
CHE 574 Biochemical Engineering 3
FSN 421 Food Analysis 4

* Not for graduate credit. No action by Graduate Council required

FSN 434 Marine Food Processing 3
FSN 438 Food Chemistry Laboratory 3
FSN 491, 492 Special Projects 1-3
FSN/CHE 548 Food Engineering II 3
FSN/CHE 549 Food & Biochemical Engineering III 3
FSN/CHE 575 Biochemical Engineering II 3
PLS 312 Small Fruit Culture 3
PLS 478 Plant Biochemistry 3
PLS 513 Plant Tissue Culture Laboratory 1
REN 105 Intro. to Resource Economics 3
REN 305X Natural Resource Prices & Markets 3

b. Entrance Preparation

High School preparation for enrollment in the Biotechnology option should include a strong background in chemistry, biology, physics, mathematics and English. The student should have a minimum of 16 units in college preparatory work with 4 units of English, 3 units of mathematics and 3 units in the physical and natural sciences.

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S E C T I O N III

Joint Report of the Curricular Affairs Committee and Graduate Council on 400-Level Courses.

At the Curricular Affairs Committee's meetings of October 4 and October 25, 1982 and the Graduate Council's meeting of October 15, 1982, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters (Including Temporary Courses)

1. College of Engineering

Department of Mechanical Engineering and Applied Mechanics

ADD: MCE 430X Computer Aided Design (I or II,3) Constructive solid geometric modeling of 3-D objects, simulation of kinematics and dynamics of plane and 3-D mechanisms. Stress analysis and design. (Lec. 3) Pre: CSC 201, MCE 323, CVE 220. Ghonem and Datseris

2. College of Resouce Development

Department of Forest and Wildlife Management

CHANGE: Prerequisite for FOR 423 to "Pre: BOT (or ZOO) 262 ESC 105 or GEL 103 or permission of the instructor."

B. Curricular Matters Which Require Confirmation by the Faculty Senate.

1. College of Engineering

Department of Civil and Environmental Engineering

ADD: CVE 474 Water Quality Sampling and Analysis (II,3) Laboratory and Field Work including sampling of surface and ground water, chemical and biological analyses for water, monitoring, treated effluent quality control, and detection of hazardous contaminants. (Lec. 1, Lab. 6) Pre: 374 or permission of instructor. Offered in spring of odd years. Poon, Sussman, Urish and Wright

2. College of Resource Development

a. Department of Animal and Veterinary Science

1) ADD: AVS 420 Animal Breeding and Genetics (II,3) Scientific methods for the genetic improvement of domesticated animals. Genetic variation and expected results of different types of selection and mating systems. (Lec. 3) Pre: 352 or equivalent. In alternate years, next offered 1982-83. Gray

2) DELETE: The following courses:

a) AVS 451 Horse Nutrition and Feeding (II,3)
b) AVS 474 Population Genetics in Animal Breeding (II,3)

b. Department of Aquacultural Science and Pathology

CHANGE: Credits and description for ASP 476:

ASP 476 The Genetics of Fish (II,3) Modes of inheritance found in fish including chromosome number, polyploidy, sex determination and hybridization. Heritabilities, methods of selection and mating systems used in the development of fish suited for intensive culture. Pre: 352. Smith

c. Department of Plant Pathology-Entomology

ADD: PLP 463 Principles of Plant Disease Control (II,3) The extent and impact of plant disease loss. Disease causing agents, the nature of disease epidemics, disease forecasting and strategies for plant disease control. (Lec. 3) Pre: 332 or permission of instructor. Jackson and Wallace